

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph at page 9, lines 8-15 with the following paragraph:

“Pin1” is a highly conserved protein that binds and regulates the function of a defined subset of proteins that have been phosphorylated by Pro-directed kinases. Yaffe, et al. 1997. Science 278:1957-1960. Shen, et al. 1998. Genes Dev. 12:706-720. Lu, et al. 1999. Science 283:1325-1328. Crenshaw, et al. 1998. Embo J. 17:1315-1327. Lu, et al. 1999. Nature 399:784-788. Zhou, et al. 1999 Cell Mol. Life Sci. 56:788-806. Human Pin1 has the following amino acid sequence:

MADEEKLPPG WEKRMSRSSG RYYYFNHITN ASQWERPSGN SSSGGKNGQG EPARVRCSHL
LVKHSQSRRP SSWRQEKITR TKEEALELIN GYIQKIKSGE EDFESLASQF SDCSSAKARG
DLGAFSRGQM QKPFEDASFA LRTGEMSGPV FTDSGIHIIL RTE (SEQ ID NO:1).

Pin1 contains an NH₂-terminal WW domain and a COOH-terminal peptidyl-prolyl isomerase (PPIase) domain. The WW domain binds specific pS/T-P motifs and targets Pin1 to its phosphoprotein substrates, where the PPIase domain regulates their conformations and functions, presumably by isomerizing specific pS/T-P bonds.